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Aerospace Bibliography, 6th Edition. *Includes addresses of sources of books and other materials.* 1972, published 1973. 116 p. il.
NAS 1.19:48/3 S/N 033-000-00460-5 $ 1.40

Apollo. *Using color and black and white photographs collected from space flights, this book traces the history of the Apollo space program in the 1960's.* 1974. 64 p. il.
NAS 1.19:100 S/N 033-000-00553-9 4.25

Apollo Expeditions to the Moon. *A dazzling color book about the entire 15-year Apollo space program, written by 18 key members of the team that successfully planned and carried out the enormous national effort to land Americans on the Moon. Its fifteen chapters tell the dramatic story of what are perhaps the most exciting and challenging scientific voyages in modern history, voyages that symbolize the triumph of mankind and technology over seemingly impossible odds.* 1975. 313 p. il.
NAS 1.21:350 S/N 033-000-00630-6 12.00

Apollo-Soyuz Experiments in Space. *The nine booklets in this package discuss the Apollo-Soyuz mission and describe the 34 experiments the crews performed in space. The booklets are designed to be used by high school and college teachers as curriculum supplements, but the descriptions of the experiments are clear and simple enough to also appeal to the general public. There are many diagrams and photographs (including color) in every booklet.* 1977. 9 booklets, 480 total pages.
NAS 1.19:133-41 S/N 033-000-00688-8 10.00

Single copy sales of the above.

Biology in Zero G. *Discusses biological experiments in zero g, zero gravity or weightlessness.* 1977. 49 p. il.
NAS 1.19:139 S/N 033-000-00723-0 2.00

Cosmic Ray Dosage. *Discusses experiments concerning radiation hazards on spacecraft.* 1977. 49 p. il.
NAS 1.19:138 S/N 033-000-00722-1 2.00

Earth From Orbit. 1977. 57 p. il.
NAS 1.19:137 S/N 033-000-00721-3 2.00

Apollo-Soyuz Experiments in Space, single copy sales - con.

Flight. *Discusses the joint flight of the Apollo and Soyuz spacecrafts and experiments performed during the test projects.* 1977. 57 p. il. NAS 1.19:133 S/N 033-000-00717-5 $ 2.00

General Science. *Discusses experiments in astronomy, geoscience, biology, and materials science.* 1977. 76 p. il. NAS 1.19:141 S/N 033-000-00725-6 2.00

Gravitational Field. 1977. 30 p. il. NAS 1.19:136 S/N 033-000-00720-5 2.00

Sun, Stars, In Between. 1977. 54 p. il. NAS 1.19:135 S/N 033-000-00719-1 2.00

X-Rays, Gamma Rays. 1977. 62 p. il. NAS 1.19:134 S/N 033-000-00718-3 2.00

Zero G Technology. *Discusses experiments with weightlessness or zero gravity.* 1977. 59 p. il. NAS 1.19:140 S/N 033-000-00724-8 2.00

Astronautics and Aeronautics, A Chronology of Aeronautical and Space Events of, 1974. 1974. 321 p. NAS 1.21:4019 S/N 033-000-00661-6 4.75

Atlas of Mercury. *Contains photographs of the planet Mercury taken by the Mariner 10 spacecraft.* 1978. 128 p. il. Clothbound. NAS 1.21:423 S/N 033-000-00695-1 16.00

Atoms and Astronomy. *Another booklet written primarily for teachers of junior-level science courses. It discusses the field of astronomical spectroscopy, particularly electromagnetic radiation and atomic physics.* 1976. 31 p. il. NAS 1.19:128 S/N 033-000-00656-0 1.20

Book of Mars. 1968, reprinted 1973. 315 p. il. Clothbound. NAS 1.21:179 S/N 033-000-00211-4 6.90

Chariots for Apollo: A History of Manned Lunar Spacecraft. 1979. 538 p. il. NAS 1.21:4205 S/N 033-000-00768-0 9.00

Chemistry Between the Stars. *This booklet is intended for high school teachers of physics, chemistry, astronomy, or Earth science. It introduces a fascinating and potentially far-reaching new field of astronomy: The study of the chemical composition of interstellar space (the space between stars). Topics include molecular signals from space, molecules as interstellar probes, and utilizing spectroscopy.* 1976. 59 p. il. NAS 1.19:127 S/N 033-000-00655-1 1.60

Comet Kohoutek, A Workshop Held at Marshall Space Flight Center, Huntsville, Alabama, June 13-14, 1974. *Although comets are considered inferior to the Earth and Sun in the study of our solar system, they are interesting and potentially important for understanding the birth of the solar systems. The Comet Kohoutek, as observed from Skylab, offered a unique opportunity for investigation. That investigation was the most comprehensive study of a comet today. This book is a collection of 42 papers by distinguished scientists about Kohoutek. The papers deal with the tail, form, structure, and evolution of the comet, and with photometry, radiometry and many other topics.* 1975. 272 p. il.
NAS 1.21:355 S/N 033-000-00598-9 $ 3.35

Comparing the Planets. 1979. Poster, 32 x 56 in.
NAS 1.43:P 69 S/N 033-000-00744-2 2.25

Elementary School Aerospace Activities: A Resource for Teachers. *A curriculum supplement for elementary-level science classes, this handbook follows an outline of the chronological development of the story of manned flight, with emphasis on flight into space. A complete section outline begins each chapter, followed by a segmented presentation of the same outline along with activities suggested to correlate with the concept in that portion of the outline. Activities are illustrated when required for clarity, and each activity is marked with suggestions for appropriate age-level use. An extensive bibliography is included.* 1977. 127 p. il. NAS 1.19:147 S/N 033-000-00693-4 3.00

Evolution of the Solar System. *This report summarizes decades of work by two scientists, Hannes Alfven and Gustaf Arrhenius, and represents the fusion of two initially independent approaches to the problem of the origin and evolution of the solar system. Joined by the common belief that the complicated events leading to the present structure of the solar system can be understood only by an integrated chemical-physical approach, this report is presented in such a form as to make the physics understandable to physicists. Readers without some background in one of these disciplines will probably find this volume too technical to be readily understood.* 1976. 599 p. il. Clothbound.
NAS 1.21:345 S/N 033-000-00613-6 11.00

Exploration of the Solar System. *A sourcebook of information on the solar system and the technology being brought to bear for its exploration, outlining the potential achievements of solar system exploration, and suggesting a course of action which will maximize the rewards to mankind.* 1974, reprinted 1978. 67 p. il.
NAS 1.19:122 S/N 033-000-00581-4 2.05

Exploring in Aerospace Rocketry: An Introduction to the Fundamentals of Rocketry. *A collection of 22 independent units, each dealing with a distinct area of rocketry. An ideal curriculum resource for high school or college classes in physics, applied mathematics, biology, and others, or as the basis for an elective course in rocketry.* 1971. 362 p. il. NAS 1.19:88 S/N 033-000-00394-3 4.20

Extragalactic Astronomy: The Universe Beyond Our Galaxy. *This single-topic brochure is for high school teachers of physical science. Using it, they may introduce their students to a vital area of modern astronomy and provide a sense of "what has been found out there" by extragalactic astronomers. The material is presented in three parts: the fundamental content of extragalactic astronomy, modern discoveries in detail, and a summary of earlier discussions within the structure of the "Big-Bang" theory of evolution. Included are suggested student exercises, a glossary, and a collection of teacher aids.* 1976.
38 p. il. NAS 1.19:129 S/N 033-000-00657-8 $ 1.30

Galileo to Jupiter: Probing the Planet and Mapping Its Moons. *Tells the story of Galileo's discovery of Jupiter's moons and outlines in detail the proposed mission to Jupiter.* 1979. 20 p. il.
NAS 1.2:G 13 S/N 033-000-00763-9 2.50

Guide to Lunar Orbiter Photographs. 1970. 125 p. il. Clothbound.
NAS 1.21:242 S/N 033-000-00326-9 8.10

Information for Teachers, Skylab Student Project. *When the Skylab space project was first proposed, NASA and the National Science Teachers Association sponsored a nationwide student project that asked students to submit possible experiments to be performed on Skylab. Some of the submissions actually were performed. This book describes many of the student proposals and experiments, including all of the 25 national prize winners. It also summarizes other Skylab experiments useful to teachers. The book enables the teachers to show their classes practical applications of laboratory science.* 1972, reprinted 1975.
44 p. il. NAS 1.19:106 S/N 033-000-00477-0 1.00

Kennedy Space Center Story. *Summarizes the development of the United States space center, from the dream of the 1950's through the triumphant Moon shot in 1969, and through such prominent subsequent missions as Skylab. Includes many illustrations showing our progress in the race to the Moon, and gives short profiles of some of the people involved in making a Moon landing possible.* 1973. 286 p. il.
NAS 1.2:K 38 S/N 033-000-00503-2 3.20

Landsat: A Tool for Your Classroom. 1978. 15 p. il.
NAS 1.2:L 23/2 S/N 033-000-00746-9 1.00

Lunar Impact: A History of Project Ranger. *This book describes the origins, struggling early years and ultimate success of the six-year Ranger lunar project. It tells how objectives were set and tasks assigned, how test flights were planned and what was learned from early failures, how the project survived public and congressional criticism of the failure of Ranger 6, and how the smashing success of Ranger 7 and its Moon pictures finally redeemed the United States from the humiliation of Sputnik 1. It reveals the personal side of a public program and still maintains the dispassionate restraint of an effective historical work.* 1977.
450 p. il. NAS 1.21:4210 S/N 033-000-00699-3 6.25

Mars: The Viking Discoveries. *Prepared to be useful to the teacher of basic courses in Earth science, Earth-space science, astronomy, physics, and geology, this booklet will also appeal to any well-informed, intellectually-curious layman. The Viking missions to Mars unearthed a wealth of scientific information about the Red Planet. This color booklet discusses and summarizes the most noteworthy of these discoveries, and outlines the structure of the experiments that were devised to remove Mars' shroud of mystery.* 1977. 36 p. il.
NAS 1.19:146 S/N 033-000-00703-5 $ 1.50

Martian Landscape. *Not long ago the thought of taking pictures of Mars from its surface was an idea located intermediately between far out and preposterous. This beautiful pictorial volume bears witness to the remarkable accomplishments of the space program with a stunning series of over 150 pictures taken on the surface of Mars by the Viking 1 and 2 landers.* 1978. 160 p. il. Clothbound.
NAS 1.21:425 S/N 033-000-00716-7 12.00

Mission to Earth: Landsat Views the World. *This book contains more than 400 of the best photographs from NASA's Landsat project. The Landsat satellites were launched and orbited specifically to obtain high-quality photos of Earth and nowhere is their success more impressive than in this stunning collection. Almost all of the photos are reproduced here in full color, which allows the vivid and varied hues of the original prints to be seen in detail. One hundred fifty of these plates are devoted to the United States, including parts of all 50 States and many major cities. Selected scenes of the rest of the world, with coverage of all major cities, make up the remaining 250 plates. Every image is accompanied by a detailed caption that explains the major points of interest in the scene, increasing the reader's enjoyment immeasurably.* 1976. 459 p. il. Clothbound.
NAS 1.21:360 S/N 033-000-00659-4 14.00

Educator's Guide for the above. 1978. 59 p. il.
NAS 1.21:360/educator's guide
S/N 033-000-00735-3 2.50

Moonport: A History of Apollo Launch Facilities and Operations. *A history of the Apollo launch facilities and operations at the John F. Kennedy Space Center.* 1978. 636 p. il.
NAS 1.21:4204 S/N 033-000-00740-0 8.00

NASA Publications. 1978. 14 p.
NAS 1.9/2:P 96/2 S/N 033-000-00758-2 1.00

New Horizons. *Outlines the astronautical and terrestrial benefits that have resulted from various NASA (National Aeronautics and Space Administration) programs, and discusses the promise of on-going and planned projects.* Rev. 1977. 40 p. il.
NAS 1.19:117/2 S/N 033-000-00697-7 1.60

New Sun: The Solar Results From Skylab. *Richly illustrated with photographs, this volume presents highlights of the new and exciting picture of the Sun that has come from Skylab.* 1979. 198 p. il. Clothbound. NAS 1.21:402 S/N 033-000-00742-6 $10.50

On the Shoulders of Titans: A History of Project Gemini. *This book chronicles the Gemini program from its inception to its final splashdown. It provides the design, development, qualification, and operations histories of this enormous and complex project through a skillful interweaving of its human and technical components. The mechanical, political, and budgetary pressures and problems that confronted the project are revealed and a sense of the dedication and teamwork that allowed the huge accomplishments and successes of Gemini is brought to life. Nontechnical and copiously illustrated, On the Shoulders of Titans provides an intriguing account of the human and scientific dramas surrounding a program that is now seen to rank among the most successful research and development projects ever conducted by the United States.* 1977. 625 p. il. NAS 1.21:4203 S/N 033-000-00643-8 8.25

Origins of NASA Names. 1976. 227 p. il. NAS 1.21:4402 S/N 033-000-00636-5 3.65

Partnership: History of the Apollo-Soyuz Test Project. 1978. 560 p. il. NAS 1.21:4209 S/N 033-000-00730-2 8.30

Pioneer Odyssey: Encounter With a Giant. *An illustrated narration of the history of the Pioneer space mission from its inception in 1968 through the time the Pioneer satellite began transmitting new information about the giant planet, Jupiter. Written in layman's terms, it includes excellent color photos of Jupiter and its moons, and of the spacecraft itself.* Rev. 1976. 217 p. il. Clothbound. NAS 1.21:349/2 S/N 033-000-00662-4 9.85

Planet Venus. *Intended as a curriculum supplement for high school science and math classes, this booklet presents a fascinating summary of what is known about Venus and outlines the areas scientists find most puzzling. Three student projects incorporating astronautical problems are included.* 1977. 8 p. il. NAS 1.20:NF-86 S/N 033-000-00714-1 1.00

Progress in Aircraft Design Since 1903. *Photos and performance/production statistics for 90 of the most historically interesting aircraft ever produced.* 1974, reprinted 1978. 96 p. il. NAS 1.2:Ai 7/2 S/N 033-000-00587-3 3.75

Quasars, Pulsars, Black Holes, and HEAO's. *A quasar emits more energy in any given volume than any other celestial object. Pulsars are extremely dense neutron stars formed by supernovae explosions. Black holes are former stars with an intense gravity field. These stellar phenomena were discovered comparatively recently, and are still largely a mystery to astronomers. What we have learned is described and illustrated here; what we hope to learn through the launching of satellite observatory stations (HEAO's) is also discussed. This color booklet is excellent for inquisitive minds of all ages.* 1974. 20 p. il. NAS 1.19:120 S/N 033-000-00542-3 2.00

Quiet Sun. *A textbook of solar physics, which tries to interpret solar observations in the framework of theoretical physics.* 1973. 330 p. il. Clothbound. NAS 1.21:303 S/N 033-000-00454-1 $ 7.55

Rings of Saturn, Proceedings of the Saturn's Rings Workshop Held at the Jet Propulsion Laboratory, Pasadena, California, July 31 and August 1, 1973. 1974, reprinted 1976. 222 p. il.
NAS 1.21:343 S/N 033-000-00548-2 3.25

Sixty Years of Aeronautical Research, 1917-1977. 1978. 96 p.
NAS 1.19:145 S/N 033-000-00736-1 2.75

Skylab: A Chronology. *Traces the development of the Skylab program chronologically through November 1, 1974.* 1977. 458 p. il.
NAS 1.21:4011 S/N 033-000-00677-2 7.00

Skylab, A Guidebook. *This book summarizes the history of the Skylab Mission, its components and operational system, and its experiments and research programs. There are also many photographs and detailed diagrams of Skylab and its supporting facilities.* 1973. 245 p. il.
NAS 1.19:107 S/N 033-000-00508-3 2.20

Skylab and the Sun. 1973. 56 p. il.
NAS 1.19:119 S/N 033-000-00533-4 1.10

Skylab: Classroom in Space. *One of the most innovative features of the Skylab program was the incorporation of a series of 25 experiments devised by high school students and chosen through a round of regional and national judgings. Heavily illustrated in full color and written to be easily understood by the non-scientist, Skylab: Classroom in Space describes each experiment as it was designed by the student and actually performed by the astronauts, and explains the significance of the results obtained. Highly informative and educational, this volume is a tribute to the contributions of the students and an inspiration for future science classes.* 1977. 182 p. il. Clothbound.
NAS 1.21:401 S/N 033-000-00678-1 8.25

Skylab Experiments, Information for Teachers, Including Suggestions on Relevance to School Curricula:

Volume 2, Remote Sensing of Earth Resources. 1973. 115 p. il.
NAS 1.19:111 S/N 033-000-00512-1 1.45

Volume 3, Materials Science. 1973. 71 p. il.
NAS 1.19:112 S/N 033-000-00528-8 1.05

Skylab, Our First Space Station. *This publication, through its many color photographs, follows the three manned Skylab missions from launch to reentry, providing key insights into the human as well as the technical side of the triumphs of each mission.* 1977. 164 p. il. Clothbound. NAS 1.21:400 S/N 033-000-00670-5 7.00

Space Resources for Teachers:

Biology, Including Suggestions for Classroom Activities and Laboratory Experiments, Curriculum Project. 1969. 236 p. il.
NAS 1.19:50 S/N 033-000-00149-5 $ 3.25

Chemistry, Including Suggestions for Classroom Activities and Laboratory Experiments. 1971. 228 p. il.
NAS 1.19:87 S/N 033-000-00362-5 2.95

Space Mathematics, A Resource for Teachers, Outlining Supplementary Space-Related Problems in Mathematics. 1972. 138 p. il.
NAS 1.19:92 S/N 033-000-00389-7 2.25

Space Shuttle. 1977. 8 p. il.
NAS 1.20:NF-79 S/N 033-000-00679-9 1.00

Space Shuttle. 1978. Poster, 30 x 42 in.
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Space Shuttle at Work. *This is your introduction to the key element of this program and the possibilities it presents. Handsomely illustrated in color and black-and-white, it describes the layout of the Shuttle, its capabilities, the way it is launched and landed, a typical week's work for the crew, and the plans and dreams that weekly, routine space transportation permit.* 1979. 76 p. il.
NAS 1.19:156 S/N 033-000-00779-5 3.75

Study of Comets: The Proceedings of International Union Colloquium 25, Held at Goddard Space Flight Center, Greenbelt, Maryland, October 28-November 1, 1974, Parts 1-2. 1976. 1083 p. il. Clothbound.
NAS 1.21:393/pt.1-2 S/N 033-000-00637-3 11.25

Sun, Weather, and Climate. *This book presents an overall view of the present status of the new field of Sun-weather/climate investigations.* 1978. 360 p. il. NAS 1.21:426 S/N 033-000-00747-7 6.25

Supernova, A Stellar Spectacle. *In order to provide teachers of secondary school chemistry, physics, and Earth sciences with curriculum materials on astronomy, this brochure discusses the most spectacular event in the life of a star, the supernova, and related objects and their importance in astronomy and science in general. A fascinating array of fact and speculation, this illustrated booklet provides teachers with a broad background on; the outburst as observed and according to theory, the stellar remnant, the nebular remnant, and a summary of some of the unsolved puzzles.* 1976. 37 p. il.
NAS 1.19:126 S/N 033-000-00654-3 2.50

Teacher's Guide for NF-58, Comparing the Planets. 1979. 15 p. il.
NAS 1.20:NF-109 S/N 033-000-00787-6 1.75

Telescopes and Space Exploration. *Astronomers are frequently asked to explain how telescopes are used to study the universe and, in particular, why many different kinds of telescopes are necessary for astronomical research. This colorful booklet shows that progress in contemporary astronomy and astrophysics depends on complementary investigations with sensitive telescopes, some of which can be on the Earth's surface and others which must be in space.* 1976. 16 p. il.
NAS 1.2:T 23/2 S/N 033-000-00647-1 $ 1.00

This is NASA. 1979. 48 p. il.
NAS 1.19:155 S/N 033-000-00773-6 2.25

This Island Earth. 1970. 182 p. il. Clothbound.
NAS 1.21:250 S/N 033-000-00321-8 9.50

This New Ocean: A History of Project Mercury. 1966, reprinted 1978. 681 p. il. NAS 1.21:4201 S/N 033-000-00244-1 9.75

Vanguard, A History. 1970. 308 p. il.
NAS 1.21:4202 S/N 033-000-00364-1 3.85

Volcanic Features of Hawaii: A Basis for Comparison With Mars. *With the aid of numerous photographs, this book compares and contrasts the largest volcanoes on Earth, Hawaiian shield volcanoes, with the even larger volcanoes NASA has found on Mars.* 1980. 211 p. il. Clothbound. NAS 1.21:403 S/N 033-000-00788-4 14.00

Viking Mars Exhibit Package. *Kit of 11 posters and booklet of information sheets. Posters measure various sizes from 12 x 16 in. to 41 x 30 in. Booklet contains 4 p., 50 leaves, il. Booklet issued in envelope; posters issued in tube. The kit is prepared for use in educational exhibits about the Viking mission to Mars and its results.* 1977. 11 posters and booklet, sold as a set.
NAS 1.43:V 69 S/N 033-000-00711-6 5.00

What's New on the Moon? *Provides an informative and well-illustrated summary of the knowledge gained in long-term analyses of lunar material and data collected by the Apollo missions. Among the questions discussed are several concerning the composition of the surface and interior of the Moon, its age, its history, the origins of the Moon and the solar system, and more.* 1976. 24 p. il.
NAS 1.19:131 S/N 033-000-00653-5 2.00

What's the Use of Land: A Secondary School Social Studies Project. *Shows how aerial and space photographs of Earth can be combined with information from other sources to aid in teaching school courses on several topics, including the use of land.* 1976. 57 p. il.
NAS 1.19:103 S/N 033-000-00665-9 1.45

World of Tomorrow, Aerospace Activities for 8-10-Year-Olds. 1978. 61 p. il. NAS 1.19:144 S/N 033-000-00745-1 3.00